



# R.F. DOUBLE TRIODE

6.3V INDIRECTLY HEATED

ISSUE I

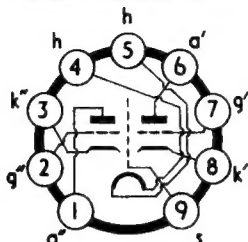
PROVISIONAL

B7I9/ECC85

AUGUST 1955

Primarily designed for use as an RF amplifier and mixer in FM receivers.

## BASE CONNECTIONS AND VALVE DIMENSIONS



VIEW FROM UNDERSIDE  
OF BASE

Base: B9A  
Bulb: Tubular

Max. overall length: 56mm  
Max. seated length: 49mm  
Max. diameter: 22.2mm

## HEATER

$V_h$	6.3	V
$I_h$	0.435	A

## MAXIMUM RATING (Per system unless otherwise indicated)

$V_a$	300	V
$P_a$	2.5	W
$P_{a'} + P_{a''}$	4.5	W
$I_k$	15	mA
$R_{g-k}$	1	MΩ
$V_{h-k}$	90	V

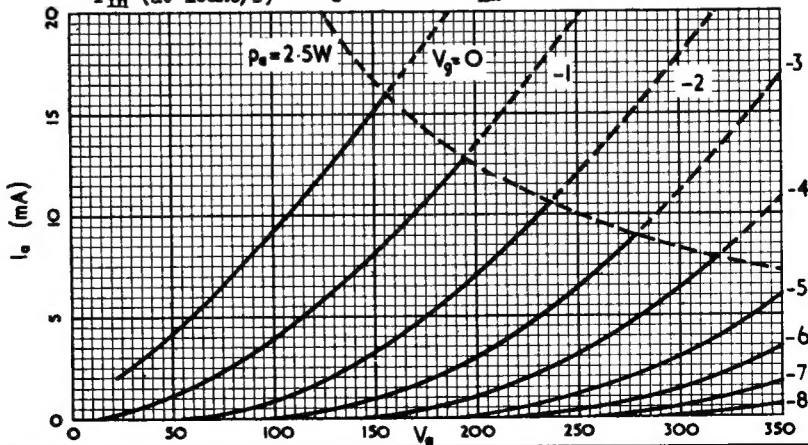
## CAPACITANCES

$c_{a-g}$  (each section): 1.5pF.  
 $c_{a-s''} < 0.04$ pF.

$c_{a-k}$  (each section): 0.18pF  
 $c_{g'-k'} < 3$ pF.  $c_{g''-k''} < 3$ pF

## TYPICAL OPERATION (RF Amplifier)

$V_a$	230	V
$I_a$	10	mA
$V_g$	-2	V
$S_m$	6	mA/V
$r_a$	9.7	kΩ
$\mu$	58	
$r_{in}$ (at 100Mc/s)	6	kΩ



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